

## RP-PGJ259

### **NBASE-T 5Gigabit 802.3bt 4-Pair PoE++ 90W Injector**

The RP-PGJ259 NBASE-T Gigabit 802.3bt 4-Pair PoE Injector provides up to 90-watt power and supports 5G/ 2.5G/ 1G Gigabit Ethernet data connection anywhere in your network infrastructure.

The RP-PGJ259 injects DC power through CAT5 or CAT6 4 pair UTP cable, it increases flexibility in the positioning of a PoE enabled device by eliminating for a nearby power source. The RP-PGJ259 supports the PoE+ (802.3af 15.4W & 802.3at 30W) standard and 802.3bt 4-Pair PoE type 3 & type 4 45W~90W power to connected PD devices. It can easy connect the high-powered devices such as WiFi 6 AP, Pan-Tilt-Zoom (PTZ) IP Cameras, Dome Cameras, Interactive Display, Point of Sales (POS), Information Kiosks, Thin Client and other high power Ethernet end terminals with 71W of power.

The RP-PGJ259 is plug-and-play without any software configuration .Its metal housing design is more suitable for different environment application. Over current protection and circuit shorting protection are also supported to ensure the safety.



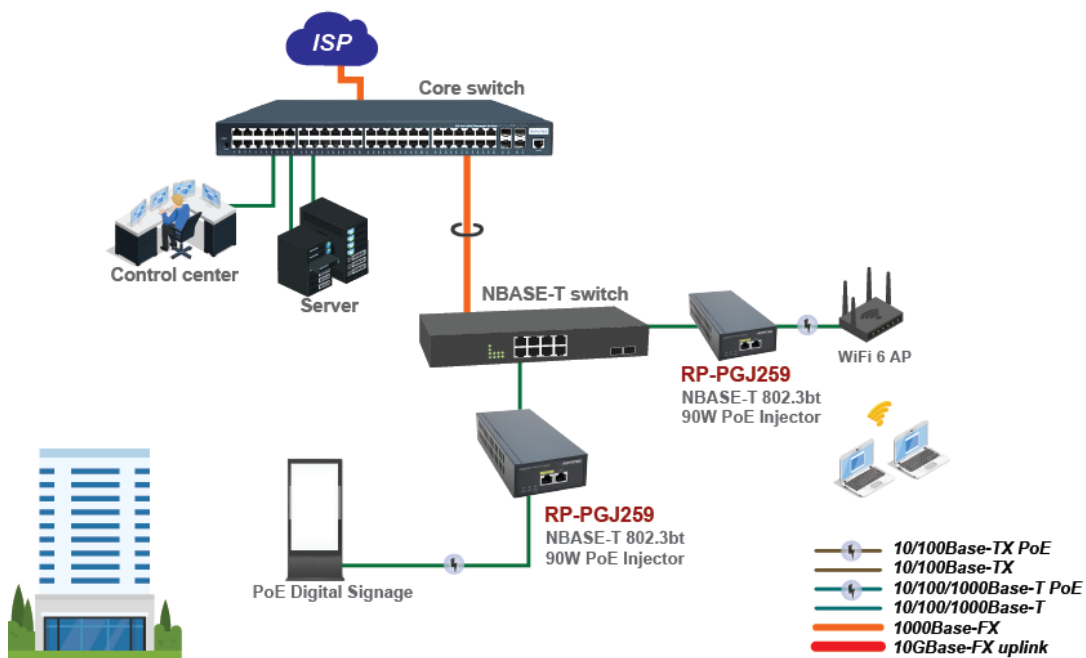
## Feature

- One port 10/100/1000/2500/5000 Base-T (Data) for connection to the Ethernet Switch
- One port 10/100/1000/2500/5000 Base-T 4-Pair PoE (Power/Data) for connection to the PoE device (PD)
- Automatic detects if the connected device is PoE enabled to avoid sending power to a non-PoE device
- Complies with IEEE802.3, 802.3u, 802.3ab, 802.3bz, 802.3af, 802.3at, 802.3bt standards
- Supports 802.3bt 4-Pair PoE 90W power delivery
- Supports 802.3bt (90W/75W/60W/45W), 802.3at (30W), 802.3af (15W) PoE Power Output.
- Supports PoE type 1~4, Class 1~8. Fully class mode.
- Supports one Power & PoE Link LEDs
- Supports one GND screw
- Supports Full-Range (100~240VAC) Internal power supply
- Fanless, Metal case, Small size, no noise
- ESD IEC61000-4-2 Contact +/-4KV, Air +/-8KV
- EFT IEC61000-4-4 Power 1KV, LAN 0.5KV
- Surge IEC61000-4-5 Cable to Cable & Cable to GND Level3 2KV

# Specification

<b>Standard</b>	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T Ethernet</li> <li>• IEEE 802.3u 100Base-TX Fast Ethernet</li> <li>• IEEE 802.3ab 1000Base-T Gigabit Ethernet</li> <li>• IEEE 802.3af PoE</li> <li>• IEEE 802.3at PoE+</li> <li>• IEEE 802.3bt PoE++</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 1 x 4-Pair PoE++ 10/100/1000/2500/5000Mbps RJ-45 port</li> <li>• 1 x 10/100/1000/2500/5000Mbps RJ-45 port</li> </ul>
<b>Data Rates</b>	<ul style="list-style-type: none"> <li>• 10/100/1000/2500/5000Mbps</li> </ul>
<b>Network Cable</b>	<ul style="list-style-type: none"> <li>• 10BASE-T: 4-pair UTP Cat. 3, 4, 5, 5e, 6</li> <li>• 100BASE-TX: 4-pair UTP Cat. 5, 5e, 6</li> <li>• 1000BASE-T: 4-pair UTP Cat. 5e, 6</li> <li>• Twisted-pair cable up to 100 meters (328ft)</li> </ul>
<b>PoE Power Budget</b>	<ul style="list-style-type: none"> <li>• 90Watt @54V via 4-pair PoE</li> </ul>
<b>PoE Pin Assignment</b>	<ul style="list-style-type: none"> <li>• Mode A (End-Span): 1/2 (-), 3/6 (+)</li> <li>• Mode B (Mid-Span): 4/5 (+), 7/8 (-)</li> </ul>
<b>LED Indications</b>	<ul style="list-style-type: none"> <li>• Power (Green)</li> <li>• PoE Link (Green)</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>• Internal power 100~240VAC input, 47~63Hz, 54V</li> </ul>
<b>Power consumption</b>	<ul style="list-style-type: none"> <li>• 100W max.</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>• Operating Temperature: 0~50°C</li> <li>• Storage Temperature: -20~70°C;</li> <li>• Operating Humidity: 10%~90% (Non-condensing)</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 87 x 43 x 188 mm (W x H x D)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>• FCC, CE, LVD Class B</li> </ul>

# Application



## Ordering Information

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